

## **RFID SYSTEMS – ANTENNA SYSTEM AND SOFTWARE METHOD TO SPATIALLY LOCATE TRANSPONDERS**

### **Abstract**

Apparatus and methods for locating an RFID transponder in space is described. The invention includes an RFID transponder for broadcasting identification data and a plurality of antenna for receiving identification data broadcast by the RFID transponder. The plurality of antenna are associated with the plurality of support members or shelves and control circuitry connected to the plurality of antenna determines which of the plurality of antenna receives identification information broadcast from the RFID transponder to determine the location of the transponder.